

ABSTRACT OF THE DISCLOSURE

An input apparatus includes a first optical waveguide and a second optical waveguide disposed so as to intersect each other and coupled to each other at the intersection portion. The intersection portion has a stress-luminescent material. When each of the first and second optical waveguides is configured as an optical fiber, the stress-luminescent material is provided in a clad of the optical fiber. The stress-luminescent material is represented by a composite material of $\text{SrAl}_2\text{O}_4:\text{Eu}$ and polyester. The composite material emits luminescence, for example, by contact with a finger with the material, or applying ultrasonic vibration to the material. An optical waveguide apparatus, an optomechanical apparatus, a detecting apparatus, an information processing apparatus, a key-input apparatus, and a fiber structure, each of which uses the stress-luminescent material, are also disclosed.